

ILLINOIS WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
REPORTING SERVICE**

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CROPS

CORN planting was reported as 2% complete as of Sunday, April 25. This compares with 5% last year and 7% for the 5-year average (1977-81). Wet fields are still delaying planting.

WINTER WHEAT on Friday, April 23, was reported as 5% excellent, 57% good, 32% fair, and 6% poor.

OATS seeding as of April 25 was 70% complete, compared with 100% last year and the average of 78%.

ALFA as of April 23 was reported as 2% excellent, 62% good, 34% fair and 2% poor.

PLOWING for 1982 CORN and SOYBEAN acreage is 78% complete, compared with 100% last year and the average of 91%.

PASTURES were reported as 6% excellent, 59% good and 35% fair. Pastures are supplying 38% of the livestock roughage requirements, compared with 63% last year and the average of 52%.

Damage to the 1982 PEACH crop was reported as being moderate to severe because of the extreme cold winter temperatures. Some light to severe damage was also done to the peach trees themselves. Damage to the 1982 APPLE crop was reported as being light to moderate because of both the winter freeze and spring freeze, but it is still too early to tell the extent of the damage.

SOIL MOISTURE was reported as 70% adequate and 30% surplus.

There were 2.25 DAYS SUITABLE for FIELDWORK the week ending April 23.

MAIN ACTIVITIES were preparing the soil for planting, planting corn, applying fertilizer, plowing and seeding oats.

WEATHER

TEMPERATURES for the period of April 19 through 25 averaged from 1 to 2 degrees below normal in the northern part of the State and from 4 to 9 degrees below normal in the South. Minimum temperatures fell below freezing in the northern half of the State.

PRECIPITATION was light in most districts with amounts ranging under .20 of an inch. Some west-southwest sections received nearly .50 of an inch.

The OUTLOOK for the period of April 28 thru May 4 is for temperatures to be below normal and precipitation to be near normal.

SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) increased during the week, prior to April 19. Soil moisture from the surface to about 7 feet increased from about 81% of Potential Plant Available Moisture (PPAM) to 82% of PPAM. Precipitation during the week amounted to 0.79 inch.

Soil moisture (from the surface to a depth of 20 inches) was measured at the following locations in Illinois between the 12th and the 17th of April:

Site	County	Soil Moisture (inches)
Shabbona	De Kalb	7.0
Monmouth	Warren	6.0
Appleton	Knox	7.4
Perry	Pike	6.4
Topeka	Mason	3.3
Bondville	Champaign	6.4
Brownstown	Fayette	6.4
Dixon		
Springs	Pope	6.5
Freeport	Stephenson	5.6

ILLINOIS CROP REPORTING DISTRICT SUMMARY

	NW	NE	W	C	E	WSW	ESF	SW	SE	STATE
Days suitable for fieldwork: (week ending April 23)	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.25
Soil Moisture %:										
(as of April 23) Short	--	--	--	--	--	--	--	--	--	--
Adequate	90	65	45	55	85	85	75	65	65	70
Surplus	10	35	55	45	15	15	25	35	35	30

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	February	March	Mar. 30- April 5	April 6- 12	April 13- 19	April 20- 26
Chicago	-5	-1	+5	-15	+2	0
Peoria	-3	0	+6	-19	+2	-2
Springfield	-6	+1	+4	-17	+4	-3
St. Louis	-6	+3	+4	-14	+4	-4

Week ending Monday, 6 A.M., April 26							
Station	Temperatures			Growing degree days 1/			
	Maxi- mum	Mini- mum	Aver- age	Current: week	3-yr. av. 2/	Totals 1981	Totals 1982
Moline	72	28	51.2	49	163	286	122
Rockford	74	26	49.8	45	129	184	116
Chi. O'Hare	73	30	50.7	40	135	206	106
Quincy	67	31	51.1	36	200	279	122
Decatur	70	33	51.1	37	176	258	115
Peoria	72	30	51.9	44	165	242	127
Watseka	70	29	50.3	39	3/		93
Springfield	70	29	52.2	48	206	308	149
Brownstown	68	29	51.1	42	3/		140
St. Louis	70	34	54.2	52	256	378	181
Dixon Springs	70	33	53.8	57	3/		194

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Previous years' data are not available.

Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

Week ending Mon., 6 A.M., April 26		
Station	Average daily soil temperature	
	Maximum	Minimum
Elizabeth	55	41
Elwood	59	43
Monmouth	57	43
Urbana	59	48
Perry	55	45
Brownstown	61	48
Belleville	60	46
Dixon Springs	62	46

PRECIPITATION:
First figure--Current week, April 20-26
Parentheses--Previous week
M--Missing. T--Trace.

